

Appl. No. 10/517,916
Response to Office Action of March 23, 2006

PATENT
Docket No.: NL020559
Customer No. 000024737

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Canceled)
2. (Canceled)
3. (Currently Amended) A capped electric lamp as claimed in ~~claim 2~~, characterized in that claim 4, wherein the narrow portion lies in a plane which also comprises the weakening portion and the fixation portion.
4. (Currently Amended) A capped electric lamp as ~~claimed in claim 2~~, characterized in that comprising:
 - a light-transmitting lamp vessel accommodating an electrical element;
 - a lamp cap provided with a projection contact pin having a longitudinal axis,
 - which lamp is secured to the lamp vessel;
 - a current-supply conductor which is connected to the electrical element and to the contact pin; and
 - an indentation being formed in the contact pin to fix the current-supply conductor,
 - wherein the indentation comprises a weakening portion for weakening the current-supply conductor during the manufacture of the electric lamp and comprises a fixation portion for fixing the current-supply conductor in the contact pin,
 - wherein the weakening portion and the fixation portion of the indentation are substantially parallel to each other,

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wherein the indentation between the weakening portion and the fixation portion comprises a narrow portion which is relatively narrow compared with the weakening portion and the fixation portion, and

wherein the ratio of the width w_{np} of the narrow portion to the width w_{wp} of the weakening portion complies with the relation:

$$0.2 \leq \frac{w_{np}}{w_{wp}} \leq 0.5.$$

5. (Currently Amended) A capped electric lamp ~~as claimed in claim 1 or 2,~~
~~characterized in that comprising:~~

a light-transmitting lamp vessel accommodating an electrical element;

a lamp cap provided with a projection contact pin having a longitudinal axis,
which lamp is secured to the lamp vessel;

a current-supply conductor which is connected to the electrical element and to
the contact pin; and

an indentation being formed in the contact pin to fix the current-supply
conductor.

wherein the indentation comprises a weakening portion for weakening the
current-supply conductor during the manufacture of the electric lamp and comprises a
fixation portion for fixing the current-supply conductor in the contact pin,

wherein the weakening portion and the fixation portion of the indentation are
substantially parallel to each other,

wherein the indentation between the weakening portion and the fixation portion
comprises a narrow portion which is relatively narrow compared with the weakening
portion and the fixation portion, and

wherein the ratio of the width w_{np} of the narrow portion to the width w_{fp} of the
fixation portion complies with the relation:

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$$0.2 \leq \frac{w_{np}}{w_{sp}} \leq 0.5.$$

6. (Currently Amended) A capped electric lamp ~~as claimed in claim 1 or 2,~~
~~characterized in that comprising:~~

- a light-transmitting lamp vessel accommodating an electrical element;
- a lamp cap provided with a projection contact pin having a longitudinal axis,
which lamp is secured to the lamp vessel;
- a current-supply conductor which is connected to the electrical element and to
the contact pin; and
- an indentation being formed in the contact pin to fix the current-supply
conductor,
- wherein the indentation comprises a weakening portion for weakening the
current-supply conductor during the manufacture of the electric lamp and comprises a
fixation portion for fixing the current-supply conductor in the contact pin,
- wherein the weakening portion and the fixation portion of the indentation are
substantially parallel to each other,
- wherein the indentation between the weakening portion and the fixation portion
comprises a narrow portion which is relatively narrow compared with the weakening
portion and the fixation portion, and
- wherein the ratio of the diameter d_{ind} of the current-supply conductor in the
location of the weakening portion in the indentation to the diameter d_w of the current-
supply conductor complies with the relation:

$$0.2 \leq \frac{d_{ind}}{d_w} \leq 0.5.$$

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7. (Currently Amended) A capped electric lamp as claimed in ~~claim 1 or 2,~~
~~characterized in that~~ claim 4, wherein the fixation length l_f of the current-supply
conductor in the contact pin is at least 0.75 mm.

8. (Currently Amended) A capped electric lamp as claimed in ~~claim 1 or 2,~~
~~characterized in that~~ claim 4, wherein the current-supply conductor in the contact pin
does not extend beyond a boundary of the indentation that is furthest removed from the
lamp cap.

9. (Currently Amended) A capped electric lamp as claimed in ~~claim 1 or 2,~~
~~characterized in that~~ claim 4, wherein the contact pin has only one indentation.

10. (Currently Amended) A capped electric lamp as claimed in ~~claim 1 or 2,~~
~~characterized in that~~ claim 4, wherein the lamp has two lamp caps which are each
provided with two contact pins.

11. (Currently Amended) A low-pressure mercury vapor discharge lamp comprising a
capped electric lamp as claimed in ~~claim 1 or 2~~ claim 4, wherein:

- [-] the lamp vessel encloses a discharge space provided with a filling of mercury
and an inert gas in a gastight manner; and
- [-] the electric element comprises an electrode arranged in the discharge space for
maintaining a discharge in said discharge space.

12. (New) A capped electric lamp as claimed in claim 5, wherein the fixation length l_f of
the current-supply conductor in the contact pin is at least 0.75 mm.

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13. (New) A capped electric lamp as claimed in claim 5, wherein the current-supply conductor in the contact pin does not extend beyond a boundary of the indentation that is furthest removed from the lamp cap.

14. (New) A capped electric lamp as claimed in claim 5, wherein the contact pin has only one indentation.

15. (New) A capped electric lamp as claimed in claim 5, wherein the lamp has two lamp caps which are each provided with two contact pins.

16. (New) A low-pressure mercury vapor discharge lamp comprising a capped electric lamp as claimed in claim 5, wherein:

the lamp vessel encloses a discharge space provided with a filling of mercury and an inert gas in a gastight manner; and

the electric element comprises an electrode arranged in the discharge space for maintaining a discharge in said discharge space.

17. (New) A capped electric lamp as claimed in claim 5, wherein the narrow portion lies in a plane which also comprises the weakening portion and the fixation portion.

18. (New) A capped electric lamp as claimed in claim 6, wherein the fixation length l_f of the current-supply conductor in the contact pin is at least 0.75 mm.

19. (New) A capped electric lamp as claimed in claim 6, wherein the current-supply conductor in the contact pin does not extend beyond a boundary of the indentation that is furthest removed from the lamp cap.

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20. (New) A capped electric lamp as claimed in claim 6, wherein the contact pin has only one indentation.

21. (New) A capped electric lamp as claimed in claim 6, wherein the lamp has two lamp caps which are each provided with two contact pins.

22. (New) A low-pressure mercury vapor discharge lamp comprising a capped electric lamp as claimed in claim 6, wherein:

the lamp vessel encloses a discharge space provided with a filling of mercury and an inert gas in a gastight manner; and

the electric element comprises an electrode arranged in the discharge space for maintaining a discharge in said discharge space.